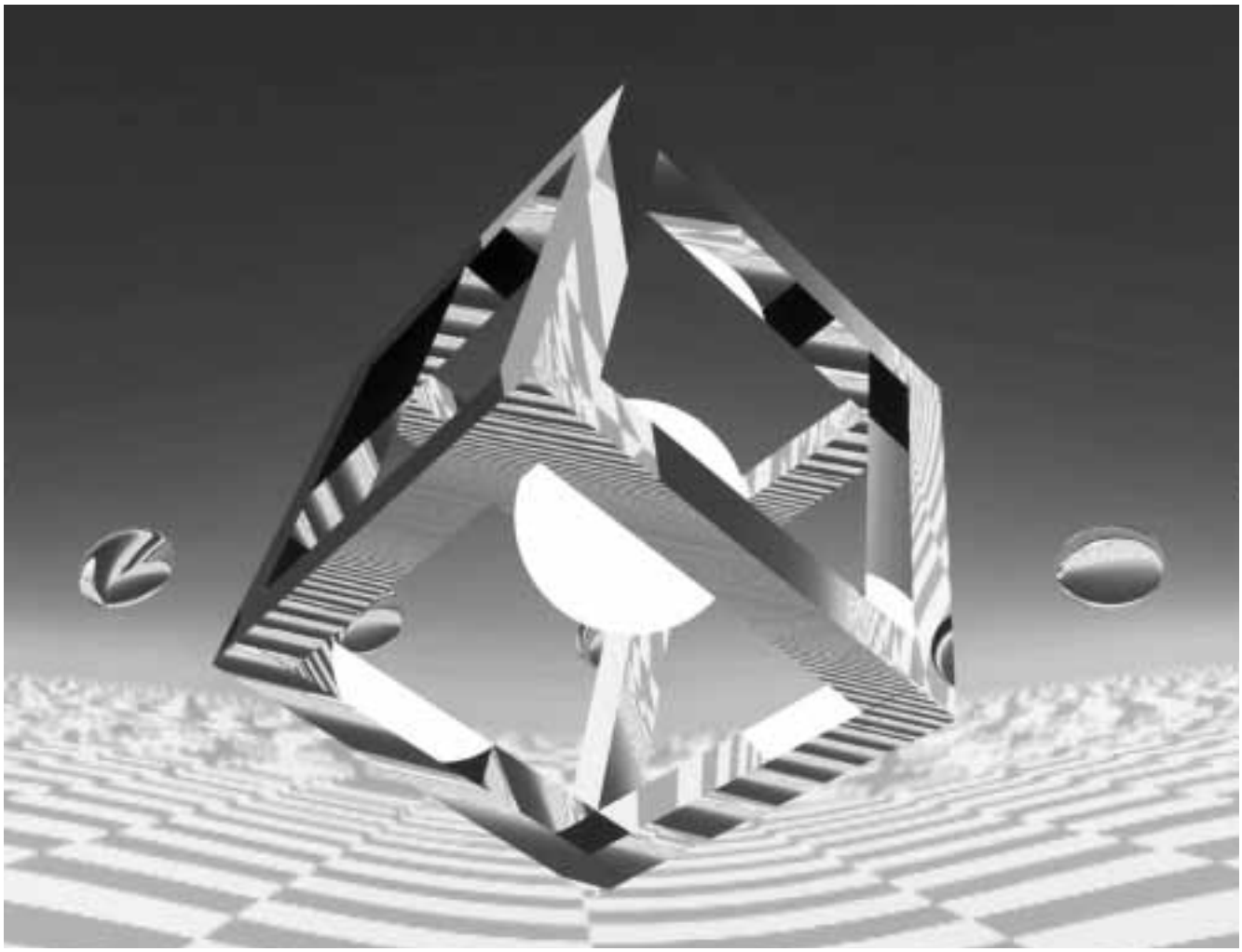
Panasonic®

Panasonic Media Manager V2.1

Basic Operating Instructions



Before enjoying music with your SD Audio Player

Follow the instructions in this manual and online help to record music onto your SD Memory Card.

· ***These instructions describe basic operations such as installation and checking out tracks. For more detailed instructions, refer to the online help included on the CD-ROM.***

· For details on using Windows, the computer, and peripheral equipment, refer to the appropriate operating instructions.

Before connecting, operating or adjusting this product, please read these instructions completely.
Please keep this manual for future reference.

PP En

RQT6118-Y

Panasonic Media Manager:

Is a software package that includes RealJukebox for Panasonic, an AAC plug-in, an SD Interface plug-in, driver software for the USB Reader/Writer, and the setup programs for all these components.

- Panasonic in no way provides a guarantee for the RealJukebox Player Application or associated plug-in module. Panasonic accepts no liability for any problems that may arise either during the installation or through use of the RealJukebox Player Application and/or associated plug-in module. Panasonic does not provide a guarantee that content managed by the RealJukebox Player Application and/or associated plug-in module can be transferred to an SD Memory Card.
- Electronic Music Distribution services are provided by a third party and not by Panasonic. Therefore Panasonic has no responsibility and accepts no liability for any problems that may arise with an Electronic Music Distribution service.
- You may be unable to record or use music data under some computer environments. This company accepts no responsibility for any loss of data or damages incurred by loss of data.
- Modifications to the product and these operating instructions may be made without prior notice.
- Illustrations and screen examples in these operating instructions may differ from the actual product.

Registration

Please register your copy of RealJukebox for Panasonic. Registration allows you to take advantage of product support and to receive information about the latest version of the software and other products.
Visit the registration site on the Internet and fill out the online form.
Registering on the Internet

1. After starting RealJukebox for Panasonic, click on the [Panasonic] button in the main window.
2. Follow the instructions found on the homepage.

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System requirements

Windows® 98, 98SE, Windows® Me, Windows® 2000 (Professional)	
Minimum System:	**Recommended System:**
Pentium 233MHz MMX or equivalent CPU	Pentium II 333MHz or equivalent CPU
64MB RAM	64MB RAM
Hard Disk Space: 30MB for Software 200MB for Music	Hard Disk Space: 30MB for Software 1GB for Music
CD-ROM drive	CD-ROM drive that supports digital audio extraction
16 bit Sound card and speakers	Full Duplex Sound card and speakers
16 bit color video display card	16 bit color video display card
Internet connection and web browser (Microsoft Internet Explorer 5.01 or later)	Internet connection and web browser (Microsoft Internet Explorer 5.01 or later)

Windows® XP (Home Edition/Professional)	
Minimum System:	**Recommended System:**
Pentium II 333MHz or equivalent CPU	Pentium III 500MHz or equivalent CPU
128MB RAM	128MB RAM
Hard Disk Space: 30MB for Software 200MB for Music	Hard Disk Space: 30MB for Software 1GB for Music
CD-ROM drive	CD-ROM drive that supports digital audio extraction
16 bit Sound card and speakers	Full Duplex Sound card and speakers
16 bit color video display card	16 bit color video display card
Internet connection and web browser (Microsoft Internet Explorer 5.01 or later)	Internet connection and web browser (Microsoft Internet Explorer 5.01 or later)

Operation under Windows XP RC2 confirmed.
Visit " http://www.panasonic.com/sd " for updates on operation under Windows XP.

RealJukebox for Panasonic cannot be used on Microsoft Windows 3.1, Microsoft Windows NT and Macintosh.
Correct operation cannot be guaranteed when used on Microsoft Windows 95 or when used on Microsoft Windows 98,98SE,Windows Me upgraded from Windows 95/3.1.
Operating System requirements apply to Real products only.
Third party plug-ins or add-ons may have different system requirements.

What you can do with RealJukebox for Panasonic

RealJukebox for Panasonic includes the following new features:

- New Skins - radically new ways to enjoy your RealJukebox for Panasonic
- Navigation Bar - access to key sections with the touch of a button
- Broken Links Management - remove all missing files from RealJukebox for Panasonic
- Watch Music Folders - allows you to quickly import tracks that you have downloaded
- AutoPlaylists - create track mixes automatically
- Improved Interface - Navigation Bar, Command Bar, optional tree view, and more
- Keyword Search - find the songs you like in seconds
- Recently Played Tracks displays the last 20 tracks you played
- Radio tuner - access thousands of radio stations via the RealPlayer
- Online Track/Artist info - live information via the web
- Track Info - add album art, lyrics, and more to your tracks and albums
- Print Jewel Cases - Print CD covers/inserts with graphics and track lists
- Visualizations - animate to the rhythm of your music
- Record from Mic/Line In - transfer your vinyl or cassette collection to your PC or simply record from your microphone
- SD Audio Player and SD Memory Card support
- Edit Track Properties
- Drag-and-drop track editing

- Windows Media Audio (WMA) compatibility will be available with a download of an updated version of the software.
  Visit " http://www.panasonic.com/sd " for details on when the update will be available.

The copyright protection technology used by RealJukebox for Panasonic follows the guidelines set by the Secure Digital Music Initiative (SDMI).

Using Electronic Music Distribution services

After starting RealJukebox for Panasonic, click on the [Panasonic] button in the main window. The homepage has the latest information about music data services. Follow the onscreen instructions.

Note

You will need an Internet connection and an Internet service provider in order to use music data services.

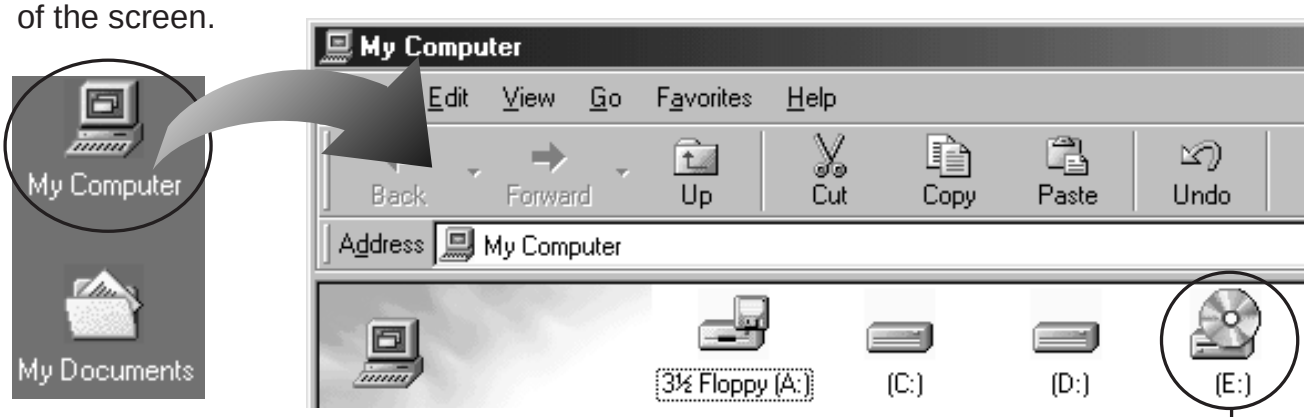
Installation

The driver for the USB Reader/Writer and RealJukebox for Panasonic are included on the supplied CD-ROM. Follow these steps to install them.

Checking drive ID

You may have to specify the drive ID during installation. Turn on the computer and start Windows. Refer to the following to check the ID of the drive.

Double click on the "My Computer" icon at the top left of the screen.



If you have more than one CD-ROM drive, select the one into which you have inserted the CD-ROM.

CD-ROM drive ID (E in this case)

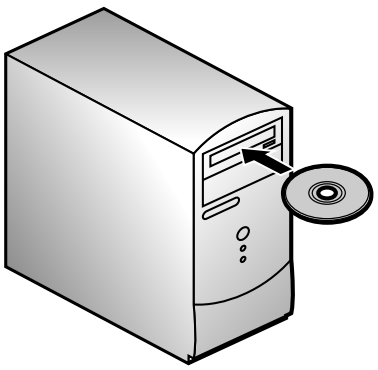
Installation steps

Do not connect the USB Reader/Writer until installation is complete.

❶ Turn on the computer and start Windows.

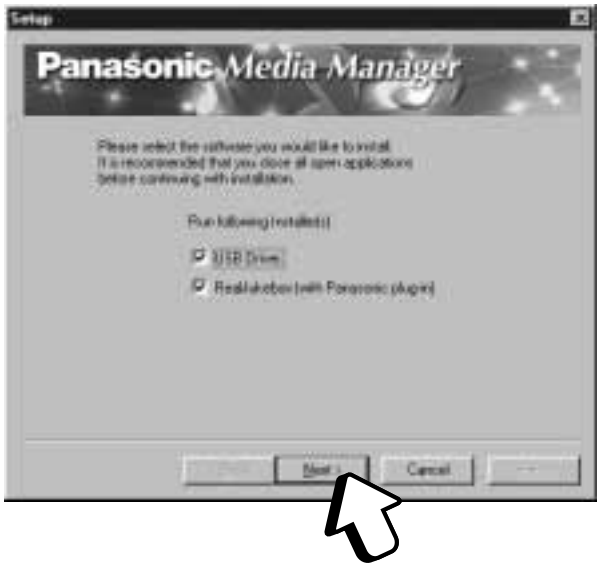
❷ Insert the included CD-ROM into the CD-ROM drive.

- The installer program starts automatically .
- If the installer program doesn't start, run the program by specifying the file name (☞ page 9).

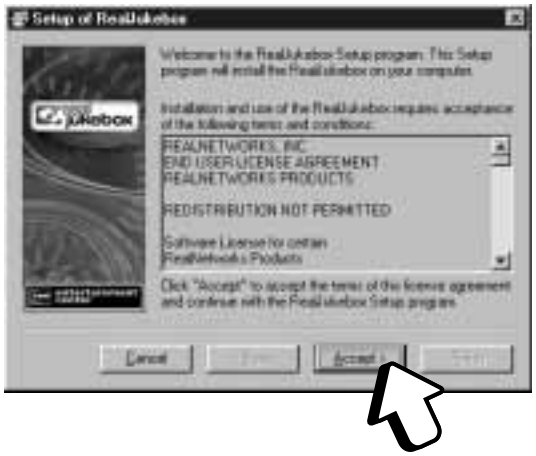


3 Click on [Next].

Select all two applications under normal circumstances.
Make changes if your computer-operating environment requires then click on [Next].

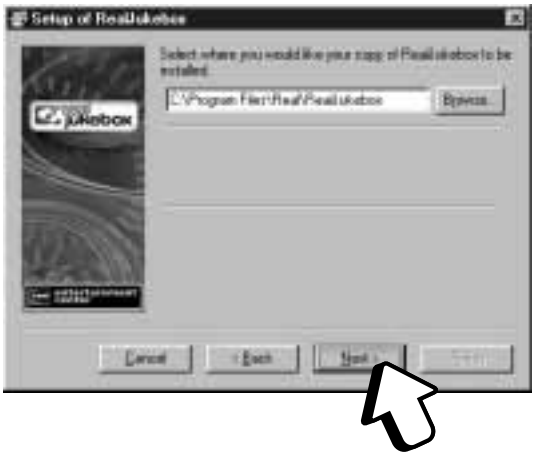


4 Read the user agreement and click on [Accept].


Setup of RealJukebox
Welcome to the RealJukebox Setup program. This Setup program will install the RealJukebox on your computer.
Installation and use of the RealJukebox requires acceptance of the following terms and conditions:
REALNETWORKS, INC.
END USER LICENSE AGREEMENT
REALNETWORKS PRODUCTS
REDISTRIBUTION NOT PERMITTED
Software License for certain RealNetworks Products
Click "Accept" to accept the terms of this license agreement and continue with the RealJukebox Setup program.
Cancel
< Back
Accept >

5 Click on [Next].

Make changes to the destination if necessary before clicking on [Next].



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❻ Select whether to create icons on the desktop and toolbar, and click on [Finish].

Recommendation: create both icons.
The setup program starts.

❼ Check "Yes" and click on [Finish].

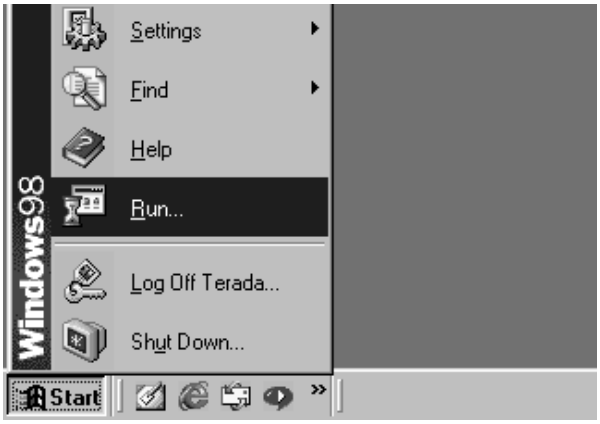
The computer restarts and installation is complete.

Note

If you decided not to install the USB Reader/Writer driver in step ❸, the computer will not restart automatically.

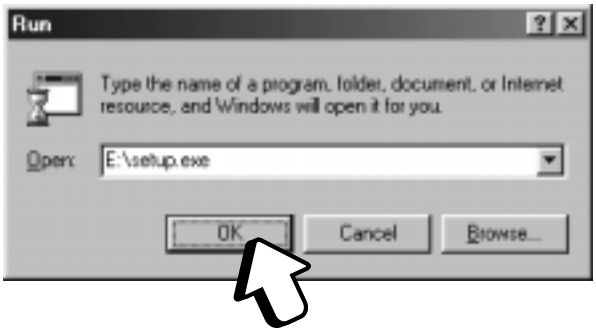
If the installation program doesn't start automatically

❶ Click on [Start] and, click on "Run...".



❷ Type in " #:\setup.exe" and click on [OK].

- The installation program starts.
  Continue from step ❸ on page 7.
- #: Enter the CD-ROM ID here.
  (☞ page 6, Checking drive ID)
- Letters you enter here can be either upper or lower case.



Using the online help

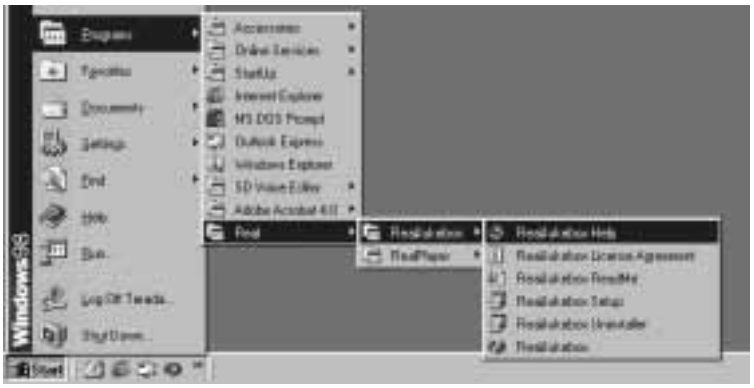
Online help for RealJukebox

These instructions describe basic operations such as installation and checking out tracks. For more detailed instructions, refer to the online help included on the CD-ROM.

To show the online help

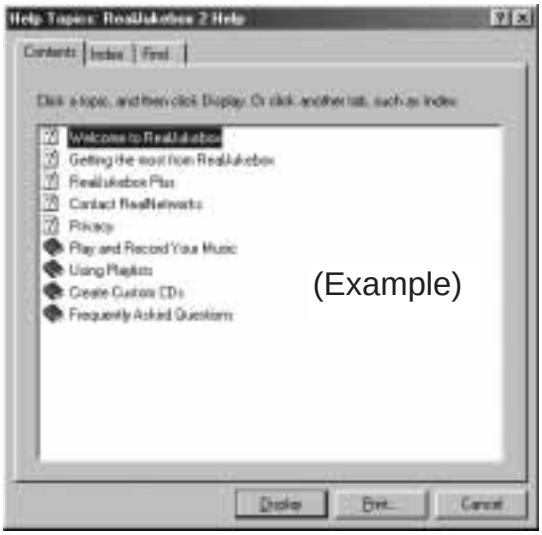
Do one of the following.

- Click on [Start] and select "Programs" → "Real" → "RealJukebox" → "RealJukebox Help".
- After starting RealJukebox for Panasonic, select [Contents] from the "Help" menu.



To search using the table of contents

- Double click on to display its contents.
- Double click on to see an explanation.



(Example)

Searching by keyword

The table of contents is replaced by a list of keywords when you click on the "Index" tab.
You can find a keyword by either entering it or scrolling through the list.
Double click on the keyword to see an explanation.

SD Audio HELP

The SD Audio Help includes explanations about the sections of RealJukebox for Panasonic specific to Panasonic that have not been explained in these operating instructions or in the Online Help for RealJukebox.

- AAC settings and explanations
- Data conversion
- Checking out and checking in with SD Memory Cards

And more

To show the online help for SD Audio

After starting RealJukebox for Panasonic.(☞ page 15)

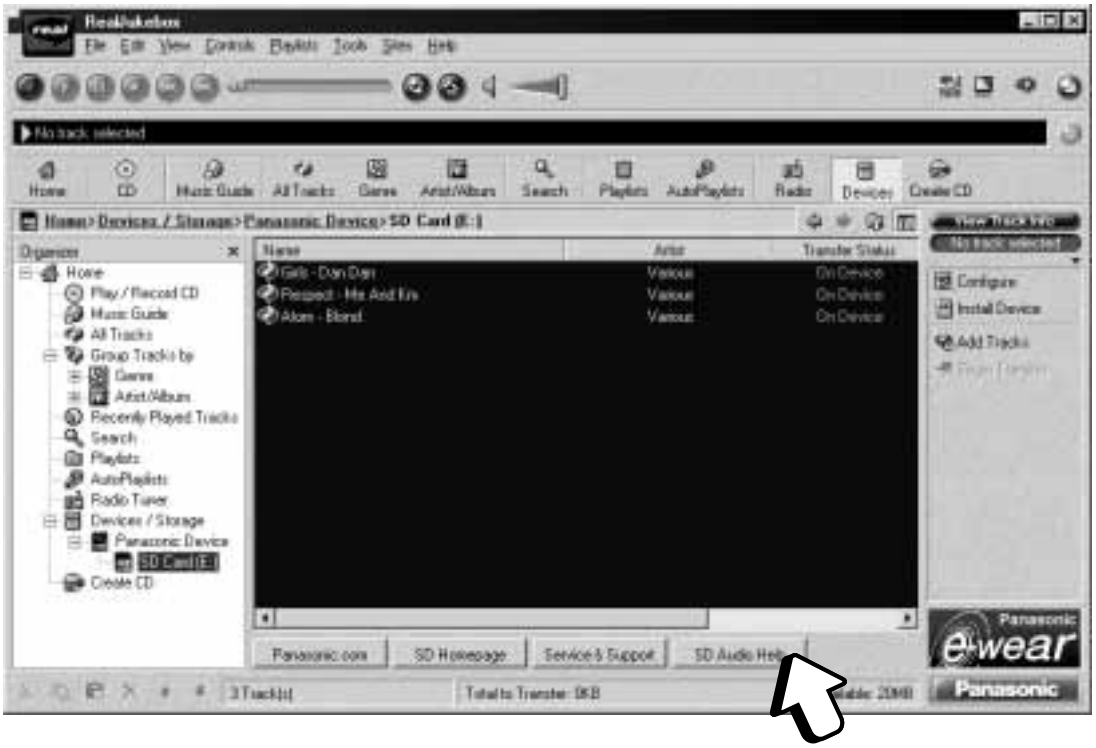
❶ Connect the USB Reader/Writer (☞ page 12).

❷ Insert an SD Memory Card into the USB Reader/Writer.

❸ Click on [Devices].

❹ Double click on "Panasonic Device" and then double click on "SD Card".

❺ Click on the [SD Audio Help] button.



Connecting an SD Memory Card

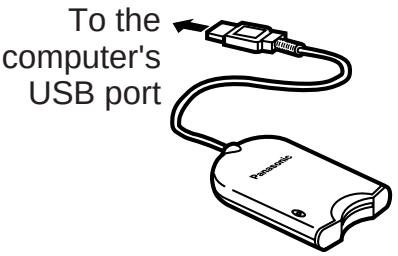
Connect the included USB Reader/Writer to checkout (record) tracks to your SD Memory Card.

Note

· Connect to an AC power supply when using a portable computer. Data can be lost or errors can occur if the computer turns off during operation.
· Operation cannot be guaranteed under the following circumstances:
*When you have connected two or more USB Reader/Writer to your computer or are using another USB device.
*When you have connected another SD Memory Card adapter.
*When you are using a USB hub or extension cord.

1 Turn on the computer and start Windows.

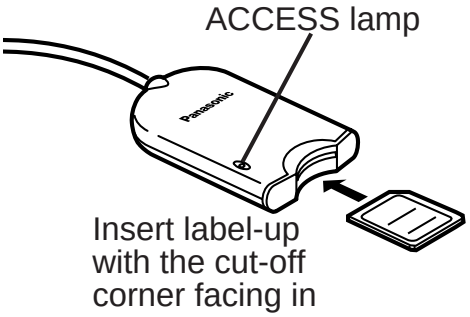
2 Connect the USB Reader/Writer to the computer's USB port.



The "New Hardware Found" screen appears.
The driver for the USB Reader/Writer is enabled automatically.

Check that it appears in Windows Explorer as a removable drive.

3 Taking care that the card is facing the right way, insert the SD Memory Card into the USB Reader/Writer.



Note

You can damage the card and USB Reader/Writer's slot if you insert the card incorrectly.
Ensure the USB Reader/Writer's ACCESS lamp is off before inserting or ejecting SD Memory Cards.

Do not remove the SD Memory Card while checking out even if the ACCESS lamp is off.

The USB Reader/Writer

- Do not wet, drop, or expose the USB Reader/Writer to impacts.
- Do not use or store in locations directly exposed to sunlight, a heat vent, or a heating appliance.
- Do not disassemble or modify.
- Do not insert foreign objects into the slot.

THE FOLLWING APPLIES ONLY IN THE U.S.A.:

CAUTION:

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules.

These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Any unauthorized changes or modifications to this equipment would void the user's authority to operate this device.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Responsible Party: Matsushita Electric Corporation of America
One Panasonic Way Secaucus, NJ, 07094 USA
Telephone No.: 1-800-211-7262

THE FOLLWING APPLIES ONLY IN CANADA:

This Class B digital apparatus complies with Canadian ICES-003.

Protecting the data on your SD Memory Card

Performing the following actions before RealJukebox for Panasonic has started completely, while the USB Reader/Writer's ACCESS lamp is on, and while checking out tracks can damage your SD Memory Card and corrupt the data it contains.

- Inserting or ejecting the SD Memory Card
- Connecting or disconnecting the USB Reader/Writer
- Shutting down RealJukebox for Panasonic or Windows forcefully
- Turning the computer off forcefully (for example, unplugging the AC power supply cord)

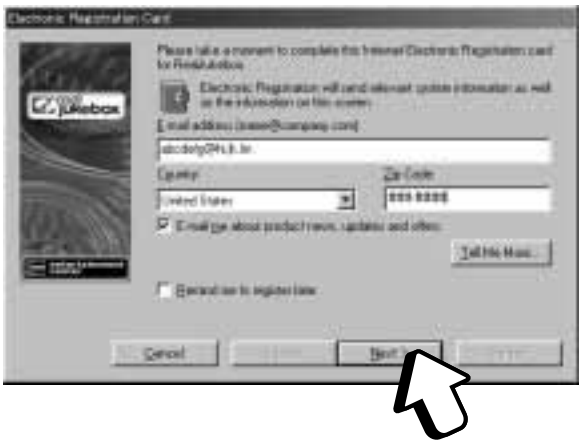
Startup

❶ Double-click on the desktop icon.

RealJukebox for Panasonic starts and the registration wizard begins.

Note If the icon is not on the desktop, from the [Start] menu, select "Programs" → "Real" → "RealJukebox" → "RealJukebox".

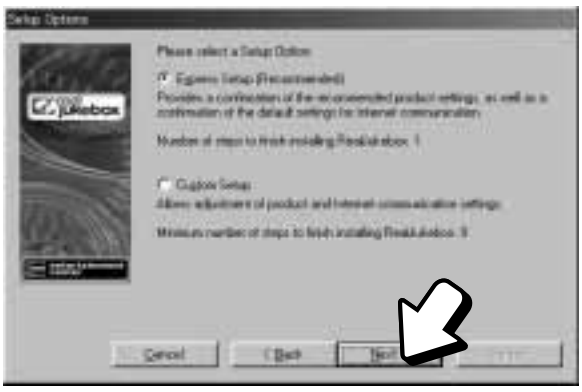
❷ Fill out the form and Click on [Next].



❸ Click on [Next].

❹ Click on [Next].

Select "Express Setup (Recommended)" under normal circumstances. Select "Custom Setup" if necessary before clicking on [Next].



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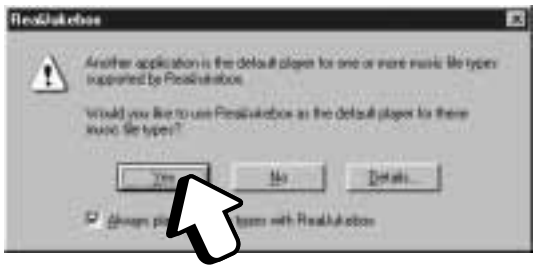
5 Click on [Finish].

You are connected to http://www.Real.com/central/ and your registration information is sent. A screen appears asking if you want to use RealJukebox as the default player.

6 Click on [Yes].

Setup of RealJukebox for Panasonic finishes and the operation window appears.



After doing this once, the RealJukebox for Panasonic operation window will be displayed by simply clicking on the desktop icon.

Note

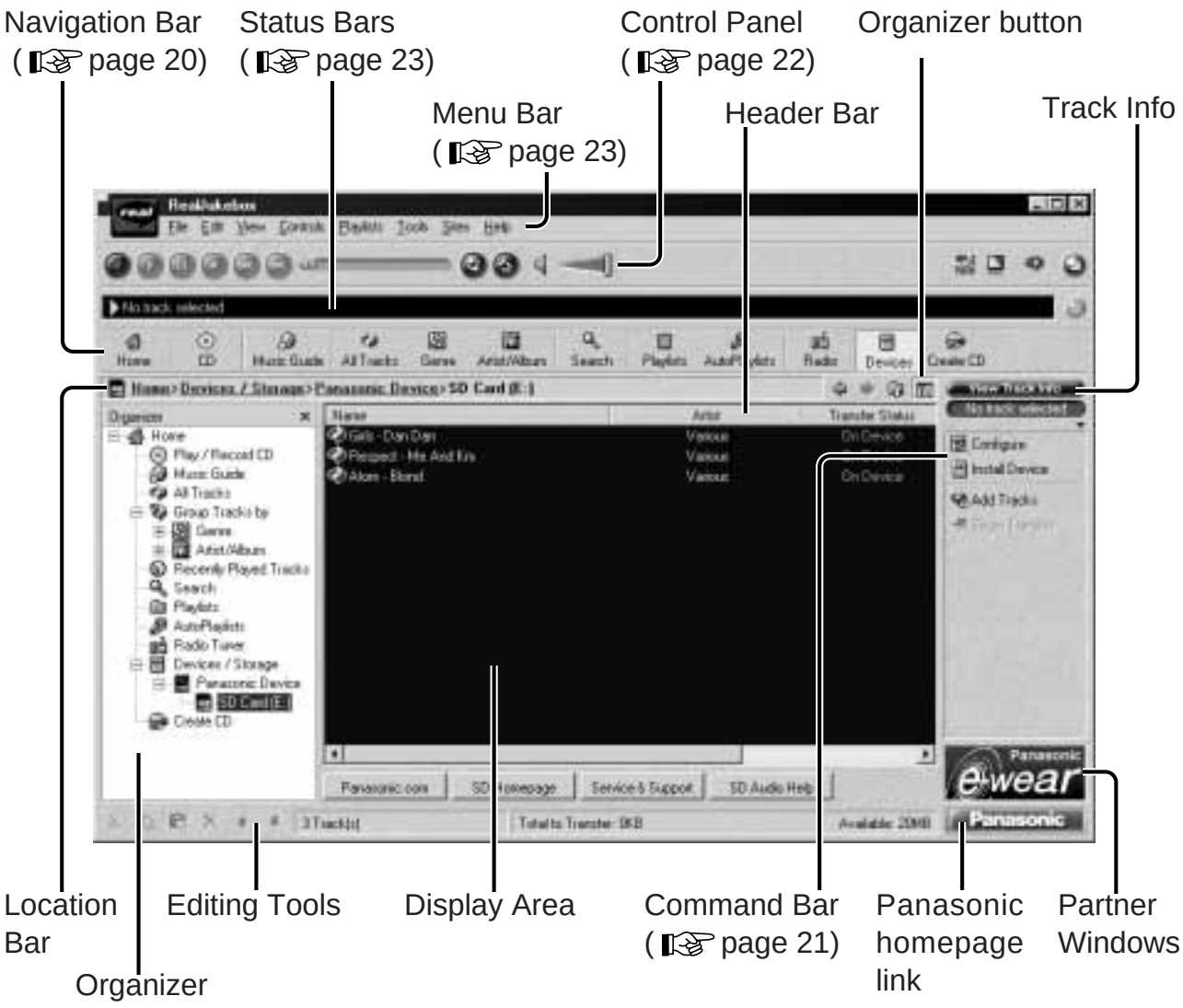
Turn off the power-saving functions on your computer while using RealJukebox for Panasonic.

Exiting

Click on the [X] box at the top of the main window.

Main features of the display

Use the Navigation Bar to display track lists and other RealJukebox for Panasonic feature areas, and the Control Panel to play and record tracks. The Command Bar contains commands you can use on tracks or track lists, Playlists, devices, and more. RealJukebox for Panasonic menus contain many additional options, including Preferences, Navigation options, and Help.



If play starts automatically when you insert a CD into the CD-ROM drive, you will need to shutdown any CD playing applications before you can use RealJukebox for Panasonic.

Note

Playlists created with RealJukebox for Panasonic cannot be played on SD Audio Players (SV-SD75,SV-SD05,SV-SD80).

Quick Start

This section will help you get started using some of RealJukebox for Panasonic's basic features. As you become more experienced using RealJukebox for Panasonic, be sure to explore both the program and this Help system to learn about the many additional tools and options available to you.

Note

The following instructions assume that all default automatic playback options are on.

Feature	Description
Record/Play CDs	To Record and Play a CD, insert it into your CD-ROM drive. To toggle recording on/off, click the Record button on the Control Panel. To toggle playback on/off, click the Play button.
Play Tracks	To view and play your recorded music, click a Group button (Genre, Artist, Album), then double-click items in the display window to open or play them, or select a track and click the Play button in the control panel.
Create Playlists	To create a custom Playlist, click New Playlist in the Command Bar and follow the on-screen instructions.
Download Music	To download music from the Internet, click the Music Guide button in the Navigation Bar and follow the links.

RealJukebox Homepage

RealJukebox Homepage gives you an easy way to get started using RealJukebox. Each item in the window provides a brief description of a RealJukebox feature, and you can click a link to display track lists, create Playlists, download music, and more.

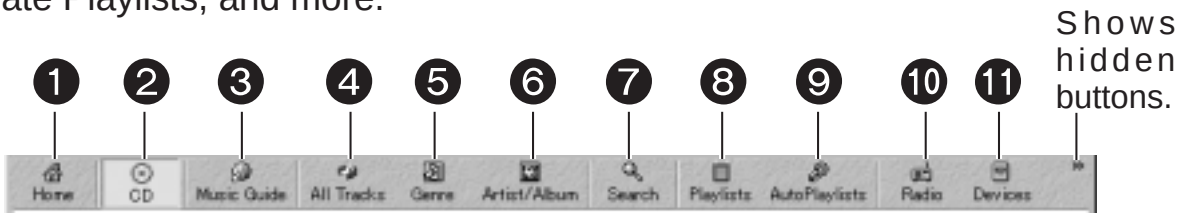
Note

To see an overview of all options, click the organizer button to see RealJukebox for Panasonic in organizer view. To go back to the previous location, use the Back or Forward buttons or the Location Bar.

RealJukebox for Panasonic Controls and Navigation

The Navigation Bar

The Navigation Bar gives you instant access to every RealJukebox for Panasonic feature area. Just click a button to display the track list or feature you want to use, then use the Control Panel and Command Bar to play tracks, create Playlists, and more.



Note You can customize the Navigation Bar: right-click the Navigation Bar and choose the buttons you wish to display by checking/unchecking the boxes.

	Feature	Description
❶	Home	Go to the RealJukebox homepage.
❷	CD	Record or play a CD.
❸	Music Guide	Go to Music Guide and download music from the Internet.
❹	All Tracks	View all tracks in your music library.
❺	Genre	Click a Group button to go to the desired Track Group.
❻	Artist/Album	View the Artist and Album Track Groups.
❼	Search	Search your music library using keywords. If you don't see this button in the Navigation Bar, click the >> on the right end.
❽	Playlists	View your Playlists. If you don't see this button in the Navigation Bar, click the >> on the right end.
❾	AutoPlaylists	View your AutoPlaylists. If you don't see this button in the Navigation Bar, click the >> on the right end.
❿	Radio	Go to Real.com and play live streamed radio broadcasts using the RealPlayer.
⓫	Devices	View your installed portable devices. If you don't see this button in the Navigation Bar, click the >> on the right end.

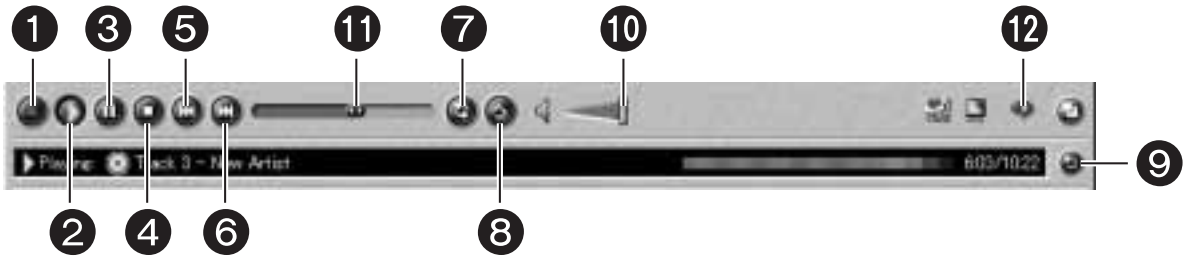
The Command Bar

The Command Bar displays context-sensitive options based on the current track list or feature area . Many of these options are only available under the certain circumstances, such as when an appropriate item is selected.

Feature	Description
New Playlist	Launch a new window to help you create a new Playlist.
New AutoPlaylist	Launch a new window to help you create and design a new AutoPlaylist.
Edit AutoPlaylist	Lets you change the criteria for the selected AutoPlaylist.
Copy to Playlist	Send selected tracks to an existing Playlist.
Copy to Device	Send selected tracks to a portable device queue.
Add Tracks	Add selected tracks to a Playlist, AutoPlaylist, or portable device.
Check All	Select all tracks for recording from CD or transfer to a portable device.
Check None	Skip all tracks when recording from CD or transferring to a portable device.
Remix Now	Remix a selected AutoPlaylist: Automatically generates a new compilation of tracks using the same criteria.
Update Now	Updates the Music Guide display.
Begin Transfer	Transfer queued tracks to a portable device. (Changes to "Cancel Transfer" when tracks are being transferred)
Configure	Configure a portable device in preparation for transferring tracks. (Available only when a portable device is selected)
View Track Info	View Track Info associated with the selected track.
Edit View Track Info	Change artist name, album title, and genre for multiple tracks. Add lyrics, album art, and more.
Clear History	Erase the list of recently played tracks. Available only in the Recent window.
New Stations	Appears only when new radio stations are available. Click the New Stations button to display the Radio window.
New Music Guide	Appears only when Music Guide has been updated. Click New Music Guide to display the latest version of the Music Guide.

The Control Panel

The Control Panel provides recording and playback control as well as skip, seek (search), shuffle (random), continuous play (repeat) options.
The Control Panel also offers Visualization settings, quick access to your RealPlayer, and Skin mode.



	Feature	Description
1	Record	Click to begin recording the CD in your CD drive. Click again to stop recording.
2	Play	Click to play the selected track. Click again to stop playing.
3	Pause	Click to pause playback. Click again to resume playback.
4	Stop	Click to stop both playback and recording.
5	Previous	Click to jump to previous track on the current CD or track list.
6	Next	Click to jump to next track on the current CD or track list.
7	Continuous	Play current CD or track list repeatedly.
8	Shuffle	Play current CD or track list randomly.
9	Return	Click the return button to return to the currently playing track list. For example, if you're playing a track from a Playlist, and you're browsing your Groups (Genre, Artist, Album), clicking the return button takes you back to the Playlist your track is playing from.
10	Volume Control	Click and drag the slider to pump up the volume (right) or tone it down (left). Use the arrow keys to “fine tune” your settings.
11	Progress Bar	The Progress Bar displays the current track's playback progress. You can skip forward and backward in the currently playing track by dragging the slider left (back) or right (forward).
12	Launch RealPlayer	Launches the RealPlayer.

The Status Bars

· Play Status Bar

This bar provides up-to-date information on the currently playing track, including the name of the track and artist and the time elapsed/length of the track. Other information includes icons that tell you whether the track is playing from a CD (CD) or a recorded music file (an icon will tell you the format), and whether the track is playing in stereo ((((· · · ·))))

· Record Status Bar

This bar provides up-to-date information on the currently recording track, including the name of the track and artist, the track number, and the recording progress. The Record Status bar only appears while a track is recording.

The Menu Bar

The menu bar offers dozens of options including navigation, preferences, playlists, plus online sites and Help. Click to open a menu, then click again to select an option.

The Header Bar

The Header Bar is the bar just above any track list. With a Group, Playlist, or All Tracks open, it contains the headers Track Name, Album, Artist, etc. You can specify which headers and columns appear in **Tools>Preferences>Display.**

· To sort tracks by header criteria, click a header. For instance, to sort by name, click the "Name" header (Track Name, Playlist Name, Grouping Name).

Note

Tracks on CD cannot be sorted, and Playlist tracks cannot be sorted using the Header Bar.

Checking out tracks to an SD Memory Card

Select tracks you have recorded on your computer and check them out to an SD Memory Card. The tracks are converted as they are checked out, so ensure you have made the correct conversion settings.

1 Connect the SD Memory Card.

2 Select tracks.

3 Click on “Copy to”→ “Device”.

4 Click on “OK”.

5 Click on “Begin Transfer”.

“On Device” is shown when checking out is finished.

Note

- **Do not insert or remove SD Memory Cards while the “Check-out to SD card” window is being displayed.**
- **You cannot make playlists on SD Memory Cards with RealJukebox.**

Troubleshooting

Before requesting service, make the below checks and refer to the online Help. If you are in doubt about some of the check points, or if the remedies indicated in the chart do not solve the problem,
Contact the Panasonic Customer Call Center at 1-800-211-7262, or e-mail consumerproducts@panasonic.com, or web site (http://www.panasonic.com/sd).

Installation and startup

Problems	Check points or causes
Cannot install	・Insert the CD-ROM. ・Ensure you have specified the correct CD-ROM drive.
Cannot start.	・Ensure the program is installed on the hard disc. The program cannot be run from the CD-ROM. ・Ensure the computer has at least 64 MB of RAM.
I want to install just the USB Reader/Writer driver.	Install the driver from the included CD-ROM. In step ❸ of the installation procedure, remove the checks from RealJukebox [with Panasonic plug-in].

Formatting SD Memory Cards

Format your SD Memory Card to use SD Audio data. Some or all of the data on the card will be lost when you format it. Select "Format only for SD Audio (Erase all Audio data)" under normal circumstances. Select "Format entire card (Erase all data)" only when necessary.

Note

Tracks you have checked out using software other than RealJukebox for Panasonic are also deleted when you format the card. Check the data on the card before commencing formatting. Use only the method described below to format your card. Using other methods can render the card unable to checkout or play.

1 Click on "Devices".

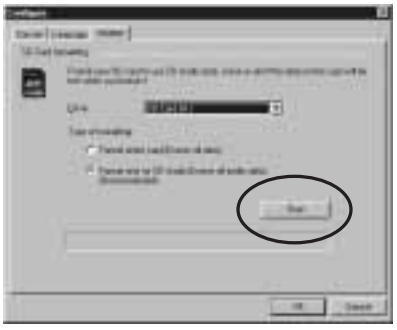
2 Double-click on "Panasonic Device".

3 Right Click on "SD Card".

4 Click on "Configure".

5 Click on "Initialize (Format)".

Recomended: "Format only for SD Audio (Erase all Audio data)"



6 Click on [Start].

The SD Memory Card is formatted.

Copyright protection limitations

- This software includes copyright limitations decided upon by the Secure Digital Music Initiative (SDMI).
  - * You may be unable to use music data with this software if the data is copyright-protected or if you have recorded from a DVD-Audio player.
  - * Where the owner of the copyright or music data providers have set conditions with regard to the use of the data, you are obliged to abide by those conditions.
- Your attention is drawn to the fact that recording pre-recorded SD Memory Card may infringe copyright laws.
- Upgrading RealJukebox for Panasonic
  RealJukebox for Panasonic follows the guidelines set by the SDMI. Future changes to these guidelines may render some functions of RealJukebox for Panasonic inoperable. Upgraded versions of RealJukebox for Panasonic will be offered in such circumstances. A charge may be applied to these upgrades.

Limitations in Windows Explorer

- SD Memory Cards are shown as external drives (for example, "D") in Windows Explorer when they are connected to the computer.
  Do not use Explorer to move SD Memory Card music data or folders, change their names, or delete them. This can render the music data unplayable. Use only RealJukebox for Panasonic for editing.
- Similarly, do not use Explorer to move, change the names of, or delete music data and folders you have saved to your computer.

Product information

For product service, product information or assistance with product operation, ***contact the Panasonic Customer Call Center at 1-800-211-7262, or e-mail consumerproducts@panasonic.com, or web site (http://www.panasonic.com/sd).***

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08/937,950	5,394,473	5,579,430	5,481,614	5,299,238	5,581,654
5848391	5,583,962	08/678,666	5,592,584	5,299,239	05-183,988
5,291,557	5,274,740	98/03037	5,781,888	5,299,240	5,548,574
5,451,954	5,633,981	97/02875	08/039,478	5,197,087	08/506,729
5 400 433	5 297 236	97/02874	08/211,547	5,490,170	08/576,495
5,222,189	4,914,701	98/03036	5,703,999	5,264,846	5,717,821
5,357,594	5,235,671	5,227,788	08/557,046	5,268,685	08/392,756
5 752 225	07/640,550	5,285,498	08/894,844	5,375,189	

PRINTED WITH SOY INK™

This manual was printed with soy based ink.

Panasonic Consumer Electronics Company, Division of Matsushita Electric Corporation of America
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Printed in Japan

RQT6118-Y
MS1001F0